

## **AMENDMENTS TO THE CLAIMS**

This listing of claims replaces all prior versions and listings of claims in the application.

### Listing of Claims:

1 (withdrawn). An event control device for controlling to which application an entered event is to be delivered, comprising;

an event entering means for entering events,

a delivery destination determining information storing section storing delivery destination determining information indicating to which application the event is to be delivered according to the contents of the event, and

a delivery destination determining means for determining to which application the event is to be delivered according to the delivery destination determining information stored in the delivery destination determining information storing section and according to the contents of the entered event, and for delivering the event accordingly.

2 (withdrawn). An event control device of claim 1, characterized in that the delivery destination determining information comprises delivery priority degree information indicating, by the priority degrees of respective applications, to which application an event according to the contents of the event is to be delivered.

3 (withdrawn). An event control device of claim 1, characterized in that the event control device further comprises delivery destination determining information changing means for acquiring information on which application is currently running and based on the acquired information changes the delivery destination determining information for use in determining the delivery destination in the delivery destination determining means.

4 (withdrawn). An event control device of claim 1, characterized in that the delivery destination determining information comprises event reception specifying information indicating whether or not an event is to be received according to the contents of the event for each application, and delivery priority information indicating preferentially to which application an event is to be delivered according to the contents of the event for each application, and that the delivery destination determining means determines a delivery destination application of the event based on the event reception specifying means and the delivery priority degree information, and delivers the event accordingly.

5 (withdrawn). An event control device of claim 4, characterized in that the event control device further comprises an event reception specification changing means for changing the event reception specifying information according to the combination of currently running applications.

6 (withdrawn). An event control device of claim 5, characterized in that the event reception specification changing means also carries out the process of changing the event

reception specifying information according to the current running status of each application.

7 (withdrawn). An event control device of claim 6, characterized in that part or whole of the event reception specification changing means for carrying out of the process of changing the event reception specifying information according to the current running status of each application is provided on the side of each application.

8 (withdrawn). An event control device of claim 4, characterized in that the delivery destination determining information comprises basic delivery destination information describing applications to be basic delivery destinations for the contents of each event, and the delivery destination determining means delivers an event to an application specified with the basic delivery destination information in the case an application to which the entered event may be delivered is not specified in the event reception specifying information.

9 (withdrawn). An event control device of claim 4, characterized in that the event control device further comprises a delivery priority degree information changing means for acquiring information on which application is currently running and changing the delivery priority degree information according the change in the running application.

10 (withdrawn). An event control device of claim 9, characterized in that the delivery priority degree information changing means changes the delivery priority degree

information in consideration of also the current running status of each application.

11 (withdrawn). An event control device of claim 9, characterized in that a plural number of delivery priority degree tables are stored in a delivery priority degree storing section corresponding to combinations of currently running applications and that the delivery priority degree changing means changes the priority degree by choosing corresponding delivery priority degree tables according to changes in the currently running applications.

12 (withdrawn). An event control device of claim 1, characterized in that the delivery destination determining information comprises delivery property information indicating the delivery property of events received by respective applications, and the delivery destination determining means determines a delivery mode in consideration of the delivery property information.

13 (withdrawn). An event control device of claim 12, characterized in that the delivery property indicates whether or not the event can be received also with other applications.

14 (withdrawn). An event control device of claim 12, characterized in that the event control device further comprises a delivery property changing means for changing the delivery property according to the running status of each application.

15 (withdrawn). An event control device of claim 1, characterized in

that a plural number of events are arranged into groups,

that the delivery destination determining information storing section stores the delivery destination determining information indicating to which application an event belonging to an event group is to be delivered depending on the event group, and

that the delivery destination determining means determines to which application the event is to be delivered according to the delivery destination determining information stored in the delivery destination determining information storing section and depending on the event group to which the entered event belongs, and delivers the event accordingly.

16 (withdrawn). An event control device of claim 15, characterized by comprising an event group changing means for changing grouping of events according to the running status of each application.

17 (withdrawn). An event control device of claim 1, characterized in

that a plural number of applications are arranged into event groups,

that the delivery destination determining information storing section stores delivery destination determining information indicating to which application the event is to be delivered depending on the event, and

that the delivery destination determining means according to the event entered and on the basis of the delivery destination determining information stored in the delivery destination determining information storing section determines to which application the

event is to be delivered, and delivers the event to the application belonging to the application group.

18 (withdrawn). An event control device of claim 17, characterized in that the event control device further comprises an application group changing means for changing grouping of applications according the running status of respective applications.

19 (withdrawn). An event control device of claim 1, characterized in that the respective applications control to write on their own the information on whether or not themselves are currently running to the delivery destination determining information storing section, and

that the delivery destination determining means determines the delivery destinations of events based on the information on whether or not the applications are running.

20 (withdrawn). A receiver characterized in that the receiver comprises;  
a receiving section for receiving at least contents data coming as transmitted,  
a decoder section for decoding and outputting the contents data received,  
a processing section for controlling the operation of the decoder section,  
a recording section for recording and storing a program specifying the contents of the processing section, and

an event input section for receiving events entered by an operator, and that the program comprises;

a plural number of application programs for the process of demultiplexing multiplex data received with receiving means into contents, and

an event control program for determining to which application program an event is to be delivered and delivers accordingly according to the contents of the event entered through the event input section.

21 (withdrawn). A recording medium recording a program for embodying the device of claim 1 by the use of a computer.

22 (withdrawn). An event controlling method for controlling to which application an entered event is to be delivered, characterized in that

to which application the event is to be delivered according to the contents of the entered event is determined in advance as delivery destination determining information, and

to which application the event is to be delivered is determined and delivers accordingly according to the contents of the event entered and on the basis of the delivery destination determining information.

23 (withdrawn). An event control device capable operating a plural number of applications and capable of determining which application is to execute the event entered, characterized in that the event control device comprises;

an event executing information recording section recording event executing

information indicating according to the contents of the event with which application the event is to be executed, and

an event delivery means for delivering a given event at least to applications that are currently running, and that

each application that has received an event from the event delivery means determines whether or not the received event is to be executed in reference to the recorded contents in the event executing information recording section.

24 (withdrawn). An event control device of claim 23, characterized in that each application controls to write as event executing information whether or not each application is running.

25 (withdrawn). An event control device of claim 23, characterized in that each application records current running status of itself in an application operation recording section, and

the application that has received an event from the event delivery means determines whether or not the received event is to be executed in consideration of current running status of respective applications recorded in the application operation recording section.

26 (withdrawn). A recording medium recording a program for embodying the device of claim 23 by the use of a computer.



27 (withdrawn). A digital broadcasting system capable of changing output contents according to an event entered by an operator on the receiver side, characterized in that the receiver comprises;

a multiplexing means for creating multiplex data by multiplexing receivable event information describing events receivable on the receiver side, and

a transmitting means for transmitting the multiplex data, and that the receiver comprises;

a receiving means for receiving the multiplex data,

an event input means for receiving events entered by the operator, and

a demultiplexing means provided with an interactive demultiplexing application for carrying out the process of changing the contents to be demultiplexed on the basis of the event from the event entering means and for demultiplexing the multiplex data received with the receiving means back to contents, and that

the demultiplexing means chooses receivable events out of the events entered through the event input means on the basis of receivable event information received, and gives them to the interactive demultiplexing application.

28 (withdrawn). A digital broadcasting method capable of changing output contents according to an event entered by an operator on the receiver side, characterized in that the transmitting side

multiplexes receivable event information describing the events receivable on the receiver side into contents and transmits them as multiplex data, and the receiving side

receives the multiplexed data, receives the event given by the operator, demultiplexes the received multiplex data into contents, and according to the received event carries out the process of changing the demultiplexed contents, and

chooses a receivable event as a subject of process out of given events based on the receivable event information received.

29 (withdrawn). A digital transmitter for use in a digital broadcasting system capable of changing output contents according to an event entered by an operator on the receiver side, characterized by comprising,

a multiplexing means for creating multiplex data by multiplexing receivable event information describing events receivable on the receiver side, and

a transmitting means for transmitting the multiplex data.

30 (withdrawn). A digital transmitter of claim 29, characterized in that the multiplexing means multiplexes also receivable event changing information for changing the receivable events under predetermined conditions.

31 (withdrawn). A digital transmitter of claim 29, characterized in that the contents are written in a self-descriptive type of language, and the receivable event information is described as information for defining the self-descriptive type of language.

32 (withdrawn). A digital transmitter of claim 29, characterized in that the contents

are written in a self-descriptive type of language, and the receivable event information is described as major information of the self-descriptive type of language.

33 (withdrawn). A transmitter of claim 29, characterized in that the receivable event information and the receivable event changing information are described in control data corresponding to the contents.

34-47 (canceled).

48 (new). A digital broadcast system, comprising:

a digital broadcast transmitter, comprising:

an encoder that encodes video data, audio data, and an application; and

a transmitter that transmits the encoded video data, audio data, and

application; and

a digital broadcast receiver, comprising:

a receiver that receives the encoded video data, audio data, and

application transmitted by the digital broadcast transmitter;

a decoder that decodes the received encoded video data, audio data and

application;

a processor that executes the decoded application;

an input section that receives an input from a user; and

an event controlling program that sends an event corresponding to the

user input to the executing decoded application, wherein the executing decoded application registers receivable event information in the digital broadcast receiver that identifies the event that can be received by the executing decoded application, the event controlling program sending the event corresponding to the user input to the executing decoded application when the receivable event information identifies that the event corresponding to the user input can be received by the executing decoded application.

49 (new). A digital broadcasting transmitter, comprising:  
an encoder that encodes video data, audio data, and an application; and  
a transmitter that transmits the encoded video data, audio data, and application to a digital broadcast receiver, wherein the application registers receivable event information in the digital broadcast receiver that identifies an event that can be received by the application when the application is being executed in the digital broadcast receiver.

50 (new). A digital broadcast system, comprising:  
a digital broadcast transmitter that transmits an encoded application; and  
a digital broadcast receiver that receives, decodes and executes the transmitted encoded application, the digital broadcast receiver including an event controlling program that sends an event corresponding to a user input to the executing application, the executing application registering receivable event information that identifies the

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event that can be received by the executing application, the event corresponding to the user input being sent to the executing application when the receivable event information identifies that the event corresponding to the user input can be received by the executing application.